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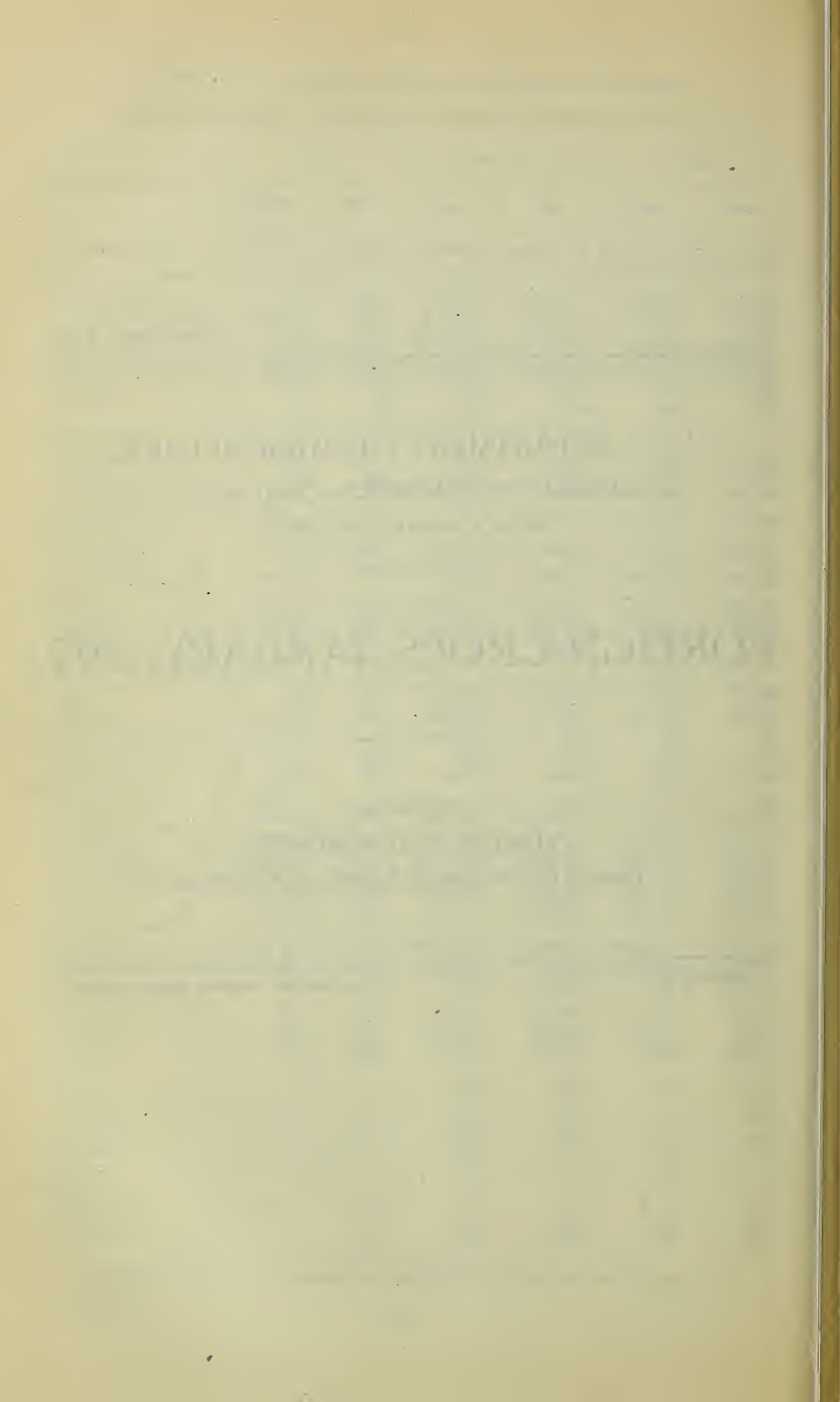
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VICTOR H. OLMSTED, CHIEF OF BUREAU.

FOREIGN CROPS, JANUARY, 1912.

PREPARED BY

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FOREIGN CROPS, JANUARY, 1912.

THE EGYPTIAN COTTON CROP.

In the extent of land devoted to its culture, cotton ranks in Egypt as the second crop, corn (maize), the chief native food grain, covering a broader surface than any other agricultural product, and wheat ranking third. In commercial importance, however, cotton stands easily first, the economic prosperity of the country depending largely upon the exports of the fiber and its seed. An average of upward of \$10,000,000 worth of Egyptian cotton is annually exported to the United States alone. The plant is cultivated in both Upper and Lower Egypt, but the acreage in the latter, the northern part of the country, is by far the more extensive; according to the latest official figures the area under cotton in Lower Egypt was 1,376,388 acres, while in Upper Egypt only 329,046 acres were planted to this crop. Among the varieties cultivated are "Afifi," "Abassi," "Yoannovitch," and "Achmouni." Afifi, the lint of which is brown in color, is the most widely grown, considerably over half the entire cotton area being of this variety. Cotton planting in the Delta is done in March and picking in September-November. The fiber, as is well known, is longer than that of American upland, and the average yield per acre between two and three times that obtained in the United States. Almost 500,000 acres have been added to the area within the past dozen years, but owing to a declining trend in the average yield per acre the aggregate production has not increased proportionately:

Area and production of cotton in Egypt,¹ 1900-1911.

[Bales of 500 pounds.]

Calendar year.	Lower Egypt.			Upper Egypt.			Total Egypt.		
	Area.	Production.	Average yield per acre.	Area.	Production.	Average yield per acre.	Area.	Production.	Average yield per acre.
	<i>Acres.</i>	<i>Bales.</i>	<i>Pounds.</i>	<i>Acres.</i>	<i>Bales.</i>	<i>Pounds.</i>	<i>Acres.</i>	<i>Bales.</i>	<i>Pounds.</i>
1900.	1,180,206	1,004,347	425.5	96,534	72,305	374.5	1,276,740	1,076,652	421.6
1901.	1,187,472	1,176,294	495.3	110,028	85,577	388.9	1,297,500	1,261,872	486.3
1902.	1,225,878	1,063,379	433.7	98,610	93,303	473.1	1,324,488	1,156,683	436.7
1903.	1,224,840	1,137,863	464.5	158,814	151,543	477.1	1,383,654	1,289,407	465.9
1904.	1,232,106	1,030,693	418.3	259,500	219,887	423.7	1,491,606	1,250,580	419.2
1905.	1,303,728	992,659	380.7	322,818	187,993	291.1	1,626,546	1,180,652	362.9
1906.	1,307,880	1,204,027	460.3	255,348	172,542	337.9	1,563,228	1,376,569	440.3
1907.	1,339,020	1,157,673	432.3	324,894	275,552	424.1	1,663,914	1,433,225	430.7
1908.	1,347,324	(2)	.....	354,996	(2)	.....	1,702,320	1,337,346	392.8
1909.	1,377,426	(2)	.....	280,260	(2)	.....	1,657,686	999,791	301.6
1910.	1,376,388	(2)	.....	329,046	(2)	.....	1,705,434	³ 1,386,672	406.7
1911.	(2)	(2)	.....	(²)	(²)	.....	³ 1,776,286	³ 1,287,640	355.0

¹ From Statistical Yearbooks of Egypt.

² Data by districts not available.

³ Provisional.

THE 1911 CROPS OF CANADA.

As finally estimated by the Dominion Department of Agriculture, the extent of land under wheat in Canada in 1911 was 10,373,958 acres, yield 215,851,300 bushels, the area being 1,079,158 acres more extensive than that of the previous record year (1910), and the outturn surpassing the former high-water mark by 65,861,700 bushels. Upward of 92 per cent of the Canadian wheat lands is in Saskatchewan, Manitoba, and Alberta; the three Provinces in 1911 had 9,301,293 acres under this cereal, an increase of 905,893 acres over the preceding year; the yield, 194,083,000 bushels, exceeded that of 1910 by 65,192,000 bushels. The quality of much of the grain, as is well known, was impaired by inclement weather shortly after harvest, and a heavy proportion of the marketings have been of low grade.

The total surface under oats in 1911, compared with 1910, shows a decline of 644,180 acres, owing to decreases in the eastern Provinces and Manitoba. In Saskatchewan the area was slightly and in Alberta heavily augmented. In all provinces the aggregate acreage was 9,219,920 acres, against 9,864,100 acres last year. Yield, although about 40,000,000 bushels less than was forecasted in September, is still in excess of that of 1910 by almost 25,000,000 bushels, the absolute figures being 348,187,600 bushels in 1911 against 323,449,000 a year ago.

Cultivation of barley in 1911 was diminished in all Provinces excepting Manitoba and Quebec. The total land devoted to its culture was 1,404,352 acres, compared with 1,834,000 acres in 1910. The yield in the respective years was 40,641,000 and 45,147,600 bushels.

Flaxseed, grown almost exclusively in the western Provinces, occupied in 1911 a total of 1,131,586 acres, an increase of about 137 per cent over the year before. The yield is returned at 12,921,000 bushels, contrasted with 3,802,000 bushels in 1910. In Saskatchewan 950,049 acres under flaxseed yielded 10,688,000 bushels; in Manitoba 77,789 acres gave an outturn of 1,123,000 bushels; and in Alberta 973,000 bushels were estimated to have been harvested from 93,662 acres. As in the case of wheat, this crop has suffered in quality from unfavorable after-harvest weather.

The final estimates of the Census and Statistics Office, Dominion Department of Agriculture, on the area and production of all crops, excepting potatoes, turnips, hay and clover, and fodder corn (which are published in Circular 26 of this series) are as follows:

Area and production, by Provinces, of specified crops in Canada, ¹ 1911-1910.

AREA.

Crops.	Saskatche- wan.	Manitoba.	Alberta.	Ontario.	Quebec.	Other Provinces.	Total.
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Wheat.....1911..	4,704,660	2,979,734	1,616,899	941,272	71,086	60,307	10,373,958
.....1910..	4,848,000	3,014,400	553,000	729,500	99,400	70,500	9,294,800
Oats.....1911..	2,124,057	1,260,736	1,178,410	2,734,110	1,430,677	491,930	9,219,920
.....1910..	1,973,000	1,451,000	974,000	3,272,000	1,649,600	544,500	9,864,100
Barley.....1911..	172,253	433,067	156,418	521,391	106,010	15,213	1,404,352
.....1910..	137,400	684,000	194,500	696,700	104,000	17,400	1,834,000
Rye.....1911..	3,400	3,800	20,659	98,887	20,440	2,585	142,571
.....1910..	.....	.....	6,200	52,500	17,700	500	84,100
Buckwheat.....1911..	.....	.....	.....	176,328	110,609	72,430	359,367
.....1910..	.....	.....	.....	120,712	69,456	80,440	270,608
Flaxseed.....1911..	950,049	77,789	93,662	8,367	1,719	.....	1,131,586
.....1910..	438,000	24,577	14,300	.....	.....	.....	476,877
Corn for husking.....1911..	.....	.....	.....	290,667	25,273	164	316,104
.....1910..	.....	.....	.....	299,040	29,099	360	328,499
Beans and peas.....1911..	.....	.....	.....	300,741	43,660	3,364	347,765
.....1910..	.....	1,200	.....	374,681	54,657	8,596	439,134
Alfalfa.....1911..	1,019	.....	7,033	83,342	10,387	.....	101,781
Sugar beets.....1911..	.....	.....	1,876	19,002	.....	.....	20,878
.....1910..	.....	.....	2,800	13,200	.....	.....	16,000

PRODUCTION.

	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>
Wheat.....1911..	97,665,000	60,275,000	36,143,000	19,252,000	1,260,000	1,256,300	215,851,300
.....1910..	81,139,000	41,159,000	6,593,000	17,805,000	1,827,000	1,466,600	149,989,600
Oats ².....1911..	97,962,000	57,893,000	56,964,000	82,679,000	37,512,000	15,177,600	348,187,600
.....1910..	61,367,000	41,742,000	23,644,000	128,917,000	48,927,000	18,852,000	323,449,000
Barley.....1911..	5,445,000	14,447,000	4,151,000	13,760,000	2,413,000	425,000	40,641,000
.....1910..	3,598,000	13,826,000	3,953,000	20,727,000	2,547,000	496,600	45,147,600
Rye.....1911..	.....	.....	564,000	1,766,000	321,000	43,400	2,694,400
.....1910..	49,300	92,400	161,800	923,000	308,000	9,000	1,543,500
Buckwheat.....1911..	.....	.....	.....	3,780,000	2,496,000	1,879,500	8,155,500
.....1910..	.....	.....	.....	3,052,000	1,851,000	2,340,900	7,243,900
Flaxseed.....1911..	10,688,000	1,123,000	973,000	118,000	19,000	.....	12,921,000
.....1910..	3,448,000	290,000	64,000	.....	.....	.....	3,802,000
Corn for husking.....1911..	.....	.....	.....	18,001,000	766,000	5,700	18,772,700
.....1910..	.....	.....	.....	17,853,000	860,000	13,000	18,726,000
Beans and peas.....1911..	.....	.....	.....	4,899,000	708,000	84,700	5,691,700
.....1910..	.....	18,600	.....	6,551,000	947,000	199,300	7,715,900
Alfalfa.....1911..	<i>Tons.</i> 1,500	<i>Tons.</i>	<i>Tons.</i> 18,400	<i>Tons.</i> 169,000	<i>Tons.</i> 39,000	<i>Tons.</i>	<i>Tons.</i> 227,900
Sugar beets.....1911..	.....	.....	15,000	162,000	.....	.....	177,000
.....1910..	.....	.....	25,000	130,000	.....	.....	155,000

¹ 1911 includes British Columbia.² Bushels of 34 pounds.

1912 CROPS IN BRITISH INDIA.

The First General Memorandums of the Commercial Intelligence Department, India, on the 1912 wheat and flaxseed acreage of British India, published December 28, contain the following figures:

Area sown to wheat and flaxseed in British India, 1911-12 and 1910-11.

Provinces.	Wheat.			Flaxseed.		
	Preliminary.		Final, 1910-11.	Preliminary.		Final, 1910-11.
	1911-12	1910-11		1911-12	1910-11	
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>
Punjab.....	8,876,000	8,959,000	9,344,000	.....	.....	.....
United Provinces.....	8,250,000	7,200,000	7,320,000	¹ 567,300	¹ 372,200	¹ 472,500
Bombay and Sind.....	1,081,000	1,857,000	2,230,000	94,000	103,700	178,100
Bengal.....	1,264,000	1,259,000	1,383,000	664,000	605,000	621,000
Eastern Bengal and Assam.....	² 70,000	(³)	74,700	98,800	101,100	86,100
Central Provinces and Berar.....	3,575,000	3,259,000	3,656,000	1,267,000	1,019,000	1,075,900
Northwest Frontier.....	1,058,000	886,800	1,033,000	.....	.....	.....
Hyderabad.....	(³)	(³)	1,104,000	679,900	617,300	631,300
Central India.....	1,338,000	1,233,000	2,460,000	.....	.....	.....
Rajputana.....	(³)	(³)	1,187,400	.....	.....	.....
Mysore.....	1,000	(³)	2,800	.....	.....	.....
Total.....	25,513,000	24,653,800	29,794,900	3,371,000	2,818,300	3,064,900

¹ Does not include mixed flaxseed.² No official preliminary estimate made.³ Unofficial estimate.

Partially explanatory of the above estimates, the Commercial Intelligence Department says:

On the average of the five years ending 1909-10 the areas under wheat in those provinces to which this memorandum relates represented about 99.8 per cent of the total reported wheat acreage of India. The returns from a number of native States (which in the aggregate usually contain some 10 per cent of the total wheat acreage) are incomplete owing to the absence of a definite estimate of the acreage sown. The British province of Eastern Bengal and Assam (which usually contains 0.4 per cent of the total) has also not given an estimate of acreage. In the remaining territory (representing about 89 per cent) the total area under wheat reported up to date is about 25,570,000 acres, as compared with 25,826,000 acres (revised figure) at the same date last year, a decrease of 1 per cent.

Except in parts of the Bombay Presidency, the sowing season has on the whole been favorable, and the condition of the crop is reported to be generally good.

On the average of the five years ending 1909-10 the area under flaxseed in those provinces to which the memorandum relates represented some 97 per cent of the total reported area under that crop in British India. In the same period the average acreage (excluding Hyderabad and the "mixed" crop of the United Provinces) was 1,992,800 acres. Last year the figure for the same tracts and crops was 2,376,300 acres. This year it is 2,691,700 acres. There is thus an estimated expansion of 315,400 acres, or 13 per cent, on the figures of last year and one of 698,900 acres, or 35 per cent, on the five years' average. Including Hyderabad, the total acreage reported up to date comes to 3,371,000 acres as against 2,818,300 last year.

"The state and prospects of the crop are reported to be generally good except in parts of the Bombay Presidency.

As to rice the Second General Memorandum states:

On the average of the five years ending 1909-10 the area under rice in the provinces to which this memorandum relates represented some 78 per cent of the entire rice area of British India.

The total area reported amounts to 54,441,400 acres as compared with 56,145,400 acres last year, a decrease of 1,704,000 acres, or 4 per cent. The character of the season has on the whole been fairly favorable.

The total area under cotton in all territories reported is 19,524,000 acres as against 22,190,000 acres (revised figure) at this date last year, a decrease of 12 per cent. The total outturn is estimated at 3,102,000 bales of 400 pounds each, as against 3,809,000 bales (revised figure¹) for last year, a decrease of 18.6 per cent. To this figure might be added some 1,000 bales as the estimated yield in Bengal Native States which make no returns.

AREA AND PRODUCTION OF CEREALS, HAY, POTATOES, ETC., IN IRELAND.

The quality of the Irish crops in 1911 was in general much superior to that of 1910, but, owing to decreased areas and other causes, the total quantity of wheat, oats, and rye produced was less than a year ago; continuously dry and parching weather during the summer

¹ The estimate made at this date last year was 4,668,000 bales.

rendered the yield of hay very short, while barley and potatoes showed an increase over the preceding year.

Statistics of cereal and pulse production, as reported by the Department of Agriculture and Technical Instruction of Ireland, are expressed in units of weight and hence are not exactly comparable with statistics of production in Great Britain, as returned by the British Board of Agriculture and Fisheries, which are returned in units of measure. In the case of oats, notably, the yield per acre in Ireland, as expressed in United States units of weight (32 pounds), was 56.9 bushels in 1911 and 61.3 in 1910; in Great Britain the yields per acre for the same years, expressed in United States bushels of measure, were respectively 39.2 and 41.6 bushels. The figures are likely to be to some extent misleading, in that bushels of 32 pounds of Irish oats are thus compared with measured bushels of British oats, which are commonly regarded as running about 39 pounds to the bushel.

The yield of potatoes in Ireland in 1911 was exceptional; over 233.3 bushels per acre were lifted, compared with 180.7 bushels per acre in the previous year; the yields per acre in Great Britain in the same years were much heavier and amounted to 251 and 240.5 bushels, respectively.

Area and production of cereals, pulse, hay, etc., in Ireland, 1911 and 1910.

Crops.	Area (revised).		Production.		Yield per acre.	
	1911	1910	1911	1910	1911	1910
	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>
Wheat.....bushels (60 lbs.)..	45,056	47,631	1,656,084	1,716,183	36.8	36.0
Barley.....bushels (48 lbs.)..	158,180	168,008	7,098,555	6,846,243	44.9	40.7
Oats.....bushels (32 lbs.)..	1,040,185	1,073,690	59,207,456	65,770,229	56.9	61.3
Rye.....bushels (56 lbs.)..	9,026	8,681	261,128	263,260	28.9	30.3
Beans.....bushels (60 lbs.)..	1,683	1,839	60,450	77,162	35.9	42.0
Peas.....do.....	301	230	8,383	6,427	27.9	27.9
Potatoes.....do.....	591,259	592,985	137,941,291	107,177,541	233.3	180.7
			<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>
Turnips.....long tons..	270,805	275,296	5,273,183	4,624,341	19.5	16.8
Mangold.....do.....	77,857	75,267	1,734,548	1,466,328	22.3	19.5
Cabbage.....do.....	37,281	30,857	493,417	348,747	13.2	11.3
Hay.....do.....	2,512,403	2,421,587	4,474,567	5,778,244	1.78	2.39
Flax (fiber).....do.....	66,618	45,974	11,241	8,880	0.17	0.19

AGRICULTURE IN FRANCE.

Although official estimates of the area and production in France of other crops than the principal cereals, potatoes, beets, wine, and cider are not published until about a year after harvest, the figures, in addition to their value for comparative purposes, are of interest as partially illustrating the diversity of French agriculture and the relative acreage of different crops. The detailed estimates of the

French Ministry of Agriculture on areas and yields in 1910 have lately issued from the press and are given below, with comparisons:

Final estimates of the crops of France, 1910-1908.

Crops.	Area.			Production.		
	1910	1909	1908	1910	1909	1908
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>
Wheat.....bushel (60 lbs.)..	16, 198, 319	16, 299, 309	16, 220, 558	252, 816, 568	359, 174, 167	316, 683, 625
Maslin.....bushel (58 lbs.)..	337, 019	349, 992	353, 032	5, 286, 623	7, 045, 217	6, 415, 994
Rye.....bushel (56 lbs.)..	2, 994, 185	3, 031, 868	3, 074, 715	43, 882, 563	55, 689, 377	51, 691, 099
Barley.....bushel (48 lbs.)..	1, 849, 494	1, 814, 727	1, 802, 792	44, 612, 337	47, 912, 388	42, 294, 378
Buckwheat.....do	1, 235, 969	1, 236, 340	1, 246, 941	27, 376, 080	24, 427, 198	23, 629, 178
Oats.....bushel (32 lbs.)..	9, 763, 662	9, 702, 480	9, 628, 672	331, 866, 016	383, 138, 812	327, 159, 402
Corn.....bushel (56 lbs.)..	1, 192, 109	1, 222, 552	1, 226, 209	23, 398, 837	26, 074, 907	26, 246, 865
Millet.....do	65, 299	51, 767	64, 444	805, 348	657, 286	850, 424
Peas, dry.....bushel (60 lbs.)..	54, 313	58, 241	61, 009	1, 117, 255	1, 211, 905	1, 199, 707
Beans, dry.....do	150, 607	146, 827	148, 408	2, 623, 033	2, 938, 658	2, 547, 305
Potatoes.....do	3, 822, 612	3, 823, 601	3, 818, 486	313, 188, 783	613, 041, 132	625, 014, 315
				<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
				<i>(2,000 lbs.)</i>	<i>(2,000 lbs.)</i>	<i>(2,000 lbs.)</i>
Haricots, green.....	51, 817	53, 942	1 113, 963	82, 768	85, 233	1 153, 889
Peas in pods, green.....	60, 787	47, 394		104, 128	88, 878	
Haricots, dry.....	302, 376	257, 701	266, 621	140, 623	130, 905	153, 943
Lentils, dry.....	18, 063	20, 880	21, 589	7, 897	10, 866	8, 643
Horse beans, dry.....	96, 838	96, 814	93, 169	69, 848	74, 679	70, 576
Artichokes, Jerusalem.....	240, 478	252, 190	232, 941	1, 839, 070	1, 766, 058	1, 619, 980
Beets, fodder.....	1, 644, 352	1, 633, 084	1, 587, 000	23, 599, 631	25, 528, 509	23, 321, 314
Turnips and Swedes.....	403, 119	377, 841	369, 711	3, 152, 447	2, 925, 530	2, 755, 132
Kohl-rabi.....	622, 544	553, 652	494, 546	9, 793, 638	8, 100, 995	7, 008, 873
Clover.....	2, 762, 183	2, 734, 285	2, 720, 991	5, 045, 741	4, 301, 513	5, 066, 123
Alfalfa.....	2, 760, 082	2, 781, 852	2, 759, 267	6, 127, 773	5, 814, 526	5, 973, 986
Sainfoin.....	1, 942, 947	1, 965, 903	1, 946, 851	3, 185, 996	3, 047, 211	3, 236, 874
Grass, etc.....	693, 140	688, 001	658, 670	1, 065, 296	938, 915	1, 011, 962
Annual fodders.....	1, 849, 964	1, 849, 988	1, 810, 106	16, 537, 856	15, 884, 747	14, 251, 740
Meadows.....	12, 069, 352	11, 953, 724	11, 979, 161	18, 969, 700	15, 906, 040	19, 023, 386
Pastures.....	3, 874, 602	3, 897, 311	3, 652, 533	6, 026, 262	5, 287, 076	5, 104, 412
Rough grazings.....	8, 921, 373	8, 963, 132	8, 900, 122	4, 497, 979	3, 864, 308	4, 291, 140
Sugar beets.....	611, 301	585, 083	550, 959	6, 426, 226	6, 893, 903	6, 396, 226
Beets, distilling.....	121, 598	121, 376	121, 993	2, 108, 886	2, 170, 614	2, 193, 708
Tobacco.....	29, 439	37, 880	39, 758	18, 223	21, 137	25, 028
Hops.....	6, 773	7, 097	7, 487	3, 563	2, 515	5, 685
Hemp.....						
Lint.....						
Seed.....	34, 540	36, 521	37, 139	14, 492	15, 005	15, 457
Flax.....						
Lint.....						
Seed.....	53, 621	50, 532	70, 596	16, 553	15, 247	23, 943
Colza.....	83, 164	81, 494	80, 135	11, 646	12, 208	20, 228
Rape seed.....	13, 143	13, 590	13, 072	52, 393	59, 644	55, 725
Poppy seed.....	6, 402	8, 401	10, 008	5, 851	6, 510	7, 096
Chestnuts.....	(²)	(²)	(²)	3, 887	5, 970	6, 541
Walnuts.....	(²)	(²)	(²)	155, 877	229, 836	290, 873
Olives.....	(²)	(²)	(²)	23, 208	64, 742	80, 247
Peaches.....	(²)	(²)	(²)	78, 356	53, 552	138, 021
Apricots.....	(²)	(²)	(²)	17, 886	52, 886	33, 267
Apples and pears:				4, 155	14, 726	9, 534
For the table.....	(²)	(²)	(²)			
For cider.....	(²)	(²)	(²)	127, 409	129, 094	213, 174
Cherries.....	(²)	(²)	(²)	1, 487, 472	1, 404, 902	2, 470, 129
Plums.....	(²)	(²)	(²)	23, 346	43, 866	35, 819
				25, 336	44, 704	60, 112

¹ Includes peas and beans in the pod.

² No statistics of area given.

The trend of wine production in France in recent years has been downward. The 1911 vintage, according to the Ministry of Finance, yielded 1,185,741,574 gallons against the remarkably deficient out-turn of 753,656,059 gallons in the previous year; in 1909, 1,438,296,284 gallons were obtained; 1,599,424,266 gallons in 1908; and in 1907 a total of 1,745,378,402 gallons. The year 1911 has also given an exceptional yield of cider and perry, the total having been esti-

mated by the Ministry of Agriculture at 578,491,354 gallons, compared with 285,164,191 gallons in 1910; 209,967,864 gallons in 1909; 445,749,891 gallons in 1908; and 72,360,674 gallons in 1906.

In addition to the above-named products the Ministry of Agriculture issues estimates of the area and production in France of fifty-odd crops which are more or less localized, including oranges, lemons, almonds, truffles, broomcorn, chicory, rice, onions, mushrooms, berries of different kinds, seeds, etc.

The area of winter cereals sown up to January 1 for the 1912 harvest has recently been estimated by the Ministry of Agriculture as follows: Winter wheat 15,602,141 acres, compared with 13,915,931 acres at the same date last year; winter rye 3,021,761 acres, against 2,893,788 acres last season; winter oats 1,980,012 acres, last year 1,843,588 acres and winter barley 401,093 against a previous 363,027 acres.

ITALIAN OLIVES AND OTHER SPECIFIED CROPS, 1911.

The olive groves of Italy, more extensive than those of any other European country, covered 5,793,704 acres in 1911—an area 2,247,530 acres larger than that under this fruit in the next most important European producing State, Spain. The quantity of olives grown in Italy in 1911, as estimated by the Ministry of Agriculture, Industry, and Commerce, was 1,554,243 tons, compared with 1,031,488 tons in the previous year. Production in Spain in the two years, respectively, was 1,906,863 and 688,517 tons. The estimate for Italy, by Provinces, follows:

Area and production of olives in Italy, 1911-1909.

Province.	Area, 1911.	Production.		
		1911 ¹	1910	1909
	<i>Acres.</i>	<i>Tons.²</i>	<i>Tons.²</i>	<i>Tons.²</i>
Liguria.....	151,373	59,855	13,166	42,042
Lombardy.....	12,652	1,102	2,326	331
Venetia.....	7,413	2,315	3,494	1,653
Emilia.....	16,679	1,543	2,414	265
Tuscany.....	712,636	69,335	84,194	92,053
Marches.....	428,916	8,047	10,075	7,121
Umbria.....	158,935	18,739	36,288	31,790
Latium.....	157,502	42,769	39,738	39,335
Abruzzi and Molise.....	672,680	66,689	99,042	94,836
Campania.....	547,944	94,688	89,341	137,898
Apulia.....	1,244,964	231,924	320,990	351,402
Basilicata.....	85,250	27,117	35,031	32,705
Calabria.....	632,947	526,899	230,590	432,090
Sicily.....	905,399	381,065	55,677	376,204
Sardinia.....	58,414	22,156	4,122	45,812
Total.....	5,793,704	1,554,243	1,031,488	1,685,637

¹ 1911, preliminary.

² 2,000 pounds.

The total exports of olive oil from Italy during the five years 1910-1906, and the proportion exported to the United States, are shown in the following statement:

Exports of olive oil from Italy, 1910-1906.

Year.	Total exports.		Exports to United States.	
	For mechanical purposes.	Other than for mechanical purposes.	For mechanical purposes.	Other than for mechanical purposes.
	<i>Tons.¹</i>	<i>Tons.¹</i>	<i>Tons.¹</i>	<i>Tons.¹</i>
1910.....	14,485	31,434	4,673	10,586
1909.....	6,136	20,335	2,216	6,859
1908.....	8,625	40,652	2,588	10,119
1907.....	13,766	42,816	3,217	9,061
1906.....	19,530	53,856	7,870	10,500

¹ Ton=2,000 pounds.

The final estimate of the above-named Ministry on the rice crop of 1911, and the first estimate this season on potatoes, fibers, roots, pulse, and hay were published in January and are subjoined hereto:

Area and production of specified crops in Italy, 1911-1909.

Crops.	Area.		Production.		
	1911	1910	1911	1910	1909
	<i>Acres.</i>	<i>Acres.</i>			
Rice..... pounds..	357,000	355,478	1,056,488,412	965,570,708	1,047,890,472
Potatoes..... bushels..(60 lbs.)..	712,066	701,739	62,177,069	56,562,687	63,272,020
Beans and peas..... do.....	(¹)	(¹)	9,615,733	9,156,433	10,398,367
Flax:					
Seed..... bushels..(56 lbs.)..	21,794	22,387	340,926	273,607	281,086
Fiber..... tons..(2,000 lbs.)..			3,039	3,441	3,621
Hemp..... do.....	184,658	194,665	74,240	95,724	86,420
Sugar beets..... do.....	131,260	(¹)	1,587,753	1,850,839	1,385,216
Hay:					
Natural meadows..... do.....	(¹)	3,315,662	(¹)	4,126,240	3,169,664
Artificial meadows..... do.....	(¹)	4,776,468	(¹)	12,342,453	9,654,433
Grapes..... do.....	11,063,161	(¹)	7,180,382	5,151,753	10,574,121

¹ No data.

LIVE STOCK IN SWITZERLAND, 1911.

The Seventh Federal Census of live stock in Switzerland, April 21, 1911, discloses a decrease, as compared with 1906, in the number of cattle, sheep, and goats and an increase in the number of horses and swine:

Live stock in Switzerland, 1911-1866.

Years.	Horses.	Cattle.	Swine.	Sheep.	Goats.	Bees.
	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>	<i>Number.</i>	<i>Number of stands.</i>
1911.....	143,723	1,443,371	569,253	159,727	339,997	223,923
1906.....	135,372	1,498,144	548,970	209,997	362,117	(¹)
1901.....	124,896	1,340,375	555,261	219,438	354,634	242,544
1896.....	108,969	1,306,696	566,974	271,901	415,817	254,109
1886.....	98,622	1,212,538	394,917	341,804	416,323	207,384
1876.....	100,933	1,035,856	334,507	367,549	396,001	177,120
1866.....	100,324	993,291	304,428	447,001	375,482	(¹)

¹ No data.

SWEDISH CROPS IN 1911.

According to a recent report of the Swedish Central Statistical Bureau, the results from agriculture in that country in 1911 were satisfactory, excepting in the case of potatoes and oats, the outturn of which was, respectively, 16 million and 13 million bushels less than last year.

Production and weight per measured bushel of specified crops in Sweden, 1911-1910.

Crop.	Production.		Weight per bushel ¹ in 1911.	Production.		Weight per bushel ¹ in 1910.
	1911	1911		1910	1910	
	By meas- ure.	By weight.		By meas- ure.	By weight.	
	<i>Bushels.¹</i>	<i>Bushels.²</i>	<i>Pounds.</i>	<i>Bushels.¹</i>	<i>Bushels.²</i>	<i>Pounds.</i>
Wheat.....	7,944,709	8,234,438	62.1	7,449,814	7,523,602	60.6
Rye.....	23,825,329	24,684,591	58.0	24,154,219	24,555,110	56.9
Barley.....	13,724,820	14,696,047	51.4	14,762,567	15,548,493	50.6
Oats.....	63,462,323	75,960,664	38.3	75,237,643	88,712,277	37.7
Maslin.....	15,139,413	15,673,854	45.6	15,239,584	15,214,195	43.9
Peas.....	1,277,249	1,333,452	62.6	1,295,126	1,333,856	61.8
Beans.....	171,113	181,512	63.6	172,816	179,014	62.2
Vetches.....	603,011	611,887	60.9	700,344	697,278	59.7
Potatoes.....	52,669,415	(³)	(³)	68,591,182	80,375,306	70.3

¹ Winchester bushels.

² Bushels: Wheat, 60; rye, 56; barley, 48; oats, 32; maslin, 44; peas, beans, vetches, and potatoes, 60 pounds.

³ No data.

AGRICULTURE AND LIVE STOCK IN DENMARK.

About 80 per cent of the total land surface of Denmark (9,978,880 acres) is productive. Of the productive soil, considerably over half is pasture, meadow, and forest, the remainder being arable. Farms as a rule are small, the Danish law encouraging the parceling out of landed property and prohibiting the union of small farms into larger estates. Cooperation in the sale of farm produce for export is highly developed. As in many countries of northern Europe, oat raising occupies a conspicuous place in agriculture, about a million acres being annually under this crop. Rye, the principal bread grain of the country, occupies almost 700,000 acres annually and barley between 550,000 and 600,000. Wheat is not grown extensively; the annual area only slightly exceeds 100,000 acres, and the production is greatly inferior even to that of maslin. In this connection it may be of interest to note that maslin, or mixed grain, which in France and some other countries is wheat and rye sown together, in Denmark consists of two cereals (ordinarily barley and oats), or of a cereal and a legume (commonly oats and peas, or oats and vetches). Over 70 per cent, however, of the Danish "blandsæd," or maslin, is a mixture of barley and oats.

Comprehensive official statistics of the results of harvests in Denmark are not issued until a year after the gathering of the crops. The recently published figures of the Danish Ministry of Agriculture

on the agricultural output in 1910, and previous years, are here reproduced:

Production of crops in Denmark, 1910-1907.

Crops.	Production.				Yield per acre.			
	1910	1909	1908	1907	1910	1909	1908	1907
	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>	<i>Bush.¹</i>
Wheat.....	4,547,199	3,829,242	4,317,723	4,342,879	45.5	38.2	42.9	43.2
Rye.....	19,564,742	18,922,028	19,170,454	15,993,290	28.7	27.8	28.1	23.5
Barley:								
Two-rowed.....	18,195,101	18,035,634	16,708,164	10,101,094	38.5	37.9	35.3	38.2
Six-rowed.....	3,598,310	3,563,343	3,457,855	3,515,147	34.8	34.2	33.3	33.6
Total barley.....	21,793,411	21,598,977	20,166,019	21,616,241	-----	-----	-----	-----
Oats:								
White.....	34,838,780	36,285,832	34,825,642	36,393,775	43.7	45.5	43.4	45.5
Black.....	5,756,903	5,884,526	5,611,446	6,134,831	29.3	29.8	28.4	31.6
Total oats.....	40,595,683	42,170,358	40,437,088	42,528,606	-----	-----	-----	-----
Maslin.....	17,169,318	17,548,423	16,932,709	17,478,068	41.1	42.0	40.5	42.0
Buckwheat.....	253,976	198,773	239,835	146,116				
Pulse (in pods).....	556,836	505,718	548,265	389,677				
Potatoes.....	30,517,267	24,326,960	29,751,374	24,425,657				
Carrots.....	12,779,352	15,724,486	12,889,894	12,191,115				
Beets (fodder).....	202,318,031	192,306,157	184,070,838	165,622,301				
Kohl-rabi.....	161,942,858	153,904,934	151,958,619	149,479,338				
Turnips and other roots..	141,725,662	139,645,119	137,276,379	140,209,668				
Beets (sugar).....	<i>Tons.³</i> 814,026	<i>Tons.³</i> 496,247	<i>Tons.³</i> 477,860	<i>Tons.³</i> 447,757	(²)	(²)	(²)	(²)
Hay:								
Clover, etc.....	1,459,655	1,425,643	1,561,441	1,480,737				
Meadow.....	761,191	763,182	815,078	779,459				
Total hay.....	2,220,846	2,188,825	2,376,519	2,260,196				

¹ Winchester bushels.

² No official data.

³ Tons of 2,000 pounds.

The yields of wheat, rye, barley, and oats in 1911 are officially reported to be above average. The potato yield was about average, and that of sugar beets below.

The development of cooperation in the sale for export of certain animal products in Denmark has been a powerful stimulus to the growth of the live-stock industry. Excepting a decline in the number of sheep, geese, and stands of bees, there have been noteworthy increases during the past 16 years in almost all classes of live stock. Cooperation in the sale of Danish bacon and eggs, notably, has aroused great interest in the raising of swine and chickens, and their numbers have increased 77 and 107 per cent, respectively, between 1893 and 1909. The Danish Ministry of Agriculture publishes the following statement relative to the number of live stock in the Kingdom on July 15 of every fifth year:

Live stock in Denmark, 1909-1893.

Live stock.	1909	1903	1898	1893
Horses.....number..	535,018	486,935	449,329	410,639
Cattle.....do.....	2,253,982	1,840,466	1,744,797	1,696,190
Swine.....do.....	1,467,822	1,456,699	1,168,493	829,131
Sheep.....do.....	726,879	876,830	1,074,413	1,246,552
Goats.....do.....	40,257	38,984	31,822	25,266
Chickens.....do.....	11,815,783	11,555,332	8,766,882	5,885,999
Turkeys.....do.....	45,771	58,245	52,177	40,512
Ducks.....do.....	791,797	889,413	803,401	723,708
Geese.....do.....	119,412	187,929	210,907	230,396
Bees.....hives..	100,333	104,670	118,194	122,492

AUSTRIAN CEREALS AND LIVE STOCK, 1911-1910.

The Kingdom of Austria embraces a total area of 74,177,920 acres; of this 69,835,525 acres, or 94 per cent, were returned in 1906 as "cultivated" or productive. The "cultivated" land consisted of 26,285,341 acres of arable land, 24,181,030 acres of forest, 17,580,093 acres of pastures and meadows, and 1,789,261 acres of gardens, vineyards, woodlands, lakes, and fish ponds. Statistics have recently been issued by the Austrian Ministry of Agriculture relative to the yield in 1911 on that portion of the cultivated land sown to wheat, rye, barley, oats, and corn. The total area under the five grains in 1911 was 16,090,503 acres; the area and yield of each, as compared with the previous year, were as follows:

Area and production of cereals of Austria, 1911-1910.

Crops.	Area.		Production.		Average yield per acre.	
	1911	1910	1911	1910	1911	1910
	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>
Wheat.....	3,002,427	2,998,754	53,880,479	57,588,984	19.61	19.20
Rye.....	4,994,743	5,092,682	104,122,742	108,938,423	20.85	21.39
Barley.....	2,709,889	2,721,868	74,413,761	67,617,594	27.46	24.84
Oats.....	4,640,681	4,529,387	156,384,417	142,138,581	33.70	31.38
Corn.....	742,763	770,391	11,933,189	17,387,924	16.07	22.57

¹ Bushels: Wheat, 60 pounds; rye and corn, 56 pounds; barley 48 and oats 32 pounds.

Due largely to increased acreage, the yield of wheat in 1911 exceeds that of the previous year by over 1,000,000 bushels, while the yield of rye, the principal bread grain, falls almost 5,000,000 bushels short, caused largely by shrinkage in the sown area. Barley and oats returned fairly full yields, but corn gave only 16.07 bushels per acre against 22.57 bushels in the preceding year.

An enumeration of the number of live stock in the Kingdom December 31, 1910, recently published, shows a decline in the number of cattle and sheep, as compared with the number December 31, 1900, but an increase in all other species of domestic live stock, notably in swine, whose numbers have been augmented by almost one-third:

Live stock in Austria, 1910 and 1900.

Live stock.	Dec. 31, 1910.	Dec. 31, 1900.
Horses.....number..	1,801,090	1,716,488
Asses and mules.....do....	73,041	66,647
Cattle.....do....	9,159,808	9,511,170
Sheep.....do....	2,428,586	2,621,026
Goats.....do....	1,253,650	1,019,664
Swine.....do....	6,431,966	4,682,654
Poultry.....do....	35,743,075	26,671,592
Bees.....hives..	1,232,380	996,139

FINAL ESTIMATE OF 1911 CROPS IN HUNGARY (PROPER).

According to the final estimate of the Hungarian Ministry of Agriculture, the yield of wheat in 1911 was 175,030,000 bushels. Though 1,779,000 bushels less than officially forecasted in September, the crop takes rank, quantitatively, as second to the high record—197,409,000 bushels in 1906. In the other crops the final figures differ to no noteworthy extent from the latest preliminary ones, excepting that corn is shown to have yielded almost 1,000,000 bushels less and potatoes about 2,500,000 bushels more than was predicted in October. The final figures on corn are 137,069,000 bushels, compared with the October estimate of 138,063,000 bushels, potatoes 161,587,000 bushels, against a previous forecast of 159,172,000.

Area, production, and yield per acre of cereals and potatoes in Hungary, 1911–1910.

Crops.	Area.		Production.		Average yield per acre.	
	1911	1910	1911	1910	1911	1910
	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>	<i>Bushels.¹</i>
Wheat.....	8,352,650	8,584,402	175,030,311	169,700,481	20.96	19.77
Rye.....	2,690,809	2,634,522	50,378,641	49,686,338	18.72	18.86
Barley.....	2,737,067	2,715,717	72,970,386	53,629,577	26.66	19.75
Oats.....	2,653,321	2,640,529	90,150,868	70,700,730	33.98	26.78
Corn.....	6,090,402	5,997,656	137,068,694	187,732,748	22.51	31.30
Potatoes.....	1,533,985	1,507,721	161,586,749	176,973,942	105.34	117.38

¹ Bushels: Wheat and potatoes 60 pounds, rye and corn 56 pounds, barley 48 pounds, oats 32 pounds.

PRODUCTION OF CEREALS AND HAY IN BOSNIA-HERZEGOVINA.

A recent report of the "Landesregierung" of Bosnia-Herzegovina reviews the agricultural situation in 1911 and estimates the production of cereals, potatoes, and hay as compared with former years. Corn, or maize, is the most important object of cultivation, and oats second; barley is grown more extensively than wheat, and the cultivation of rye is comparatively unimportant. Yields of wheat and oats in 1911 were above average but all other crops were deficient, notably so in the case of corn, potatoes, and hay.

Production of cereals and hay in Bosnia-Herzegovina, 1911–1907.

Crops.	1911	1910	1909	1908	1907
Wheat.....bushel (60 lbs.)..	2,941,000	2,671,000	2,594,000	3,023,000	2,169,000
Rye.....bushel (56 lbs.)..	379,000	394,000	368,000	298,000	271,000
Barley.....bushel (48 lbs.)..	2,970,000	3,787,000	3,755,000	2,389,000	2,388,000
Oats.....bushel (32 lbs.)..	5,405,000	5,322,000	4,757,000	3,572,000	2,575,000
Corn.....bushel (56 lbs.)..	8,416,000	10,051,000	10,972,000	8,821,000	6,468,000
Potatoes.....bushel (60 lbs.)..	2,329,000	5,048,000	(1)	(1)	2,949,000
Clover and hay.....ton (2,000 lbs.)..	882,000	1,029,000	(1)	(1)	(1)

¹ No data available.

THE CROPS OF URUGUAY.

Latest statistics relating to agriculture in Uruguay are the recently published estimates of the Ministry of Agriculture respecting areas and yields harvested in the winter of 1910 and the spring of 1911. The agricultural progress of the country, as compared with preceding years, is reflected in the following statement:

Area and production of specified crops in Uruguay, 1911-1908.

Crops.	Area.				Production.			
	1910-11	1909-10	1908-9	1907-8	1910-11	1909-10	1908-9	1907-8
	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>
Wheat.....	636,552	(1)	683,941	611,835	6,069,143	(1)	8,594,634	7,423,796
Corn.....	(1)	(4)	502,275	(1)	(1)	(1)	(1)	(1)
Oats.....	28,968	(1)	17,027	8,671	590,304	(1)	462,321	238,855
Barley.....	2,340	(1)	8,616	4,959	24,653	(1)	141,104	86,760
Flaxseed.....	94,728	(1)	45,321	63,455	660,427	(1)	522,011	723,266
Rye.....	143	(1)	(1)	(1)	848	(1)	(1)	(1)
Canary seed.....	294	(1)	348	736	2,410	(1)	4,378	8,194

¹ No official data.

THE 1911 CROPS OF SPAIN.

Below are the revised estimates of the Junta Consultiva Agronomica on the crops of Spain, 1911, as compared with 1910:

Area and production of specified crops in Spain in 1911-1910.

Crops.	Area.		Production.	
	1911	1910	1911	1910
	<i>Acres.</i>	<i>Acres.</i>	<i>Bushels.</i>	<i>Bushels.</i>
Wheat.....bushels (60 lbs.)..	9,705,821	9,413,186	148,495,191	137,447,687
Barley.....bushels (48 lbs.)..	3,567,356	3,333,162	86,792,227	76,308,293
Oats.....bushels (32 lbs.)..	1,268,377	1,255,841	33,858,467	29,018,261
Rye.....bushels (56 lbs.)..	1,987,423	2,029,724	28,897,231	27,596,124
Corn.....do.....	1,145,066	1,121,646	28,729,796	27,365,863
Spelt.....bushels (40 lbs.)..	58,674	60,292	1,023,473	954,063
Maslin.....bushels (58 lbs.)..	121,383	114,966	1,329,476	1,059,200
Millet.....bushels (56 lbs.)..	976	934	12,377	11,003
Canary seed.....bushels (60 lbs.)..	9,059	9,639	93,230	105,523
Beans.....do.....	457,815	443,194	7,397,756	6,547,680
Peas.....do.....	84,306	71,879	752,360	591,884
			<i>Tons</i>	<i>Tons</i>
			(2,000 lbs.).	(2,000 lbs.).
Tares.....	492,604	445,217	155,868	161,551
Chick-peas.....	455,675	440,050	105,123	109,391
Haricots.....	656,372	651,440	169,125	164,673
Vetches.....	123,236	122,890	40,107	42,505
Lentils.....	42,264	41,234	12,821	11,948
Lupines.....	24,317	21,107	7,910	6,597
Peanuts.....	18,903	18,780	15,227	15,063

CORN CROP OF COUNTRIES NAMED, 1906-1910.

Countries.	1906	1907	1908	1909	1910
NORTH AMERICA.					
	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>	<i>Bushels.</i>
United States.....	2,927,416,000	2,592,320,000	2,668,651,000	2,552,190,000	2,886,260,000
Canada:					
Ontario.....	23,989,000	21,899,000	21,742,000	18,211,000	17,853,000
Quebec.....	.....	1,377,000	1,126,000	1,047,000	860,000
Mexico.....	110,065,000	140,000,000	150,000,000	170,000,000	190,766,000
Total.....	3,061,470,000	2,755,596,000	2,841,519,000	2,741,448,000	3,095,739,000
SOUTH AMERICA.					
Argentina.....	194,912,000	71,768,000	136,055,000	177,157,000	175,330,000
Chile.....	846,000	1,500,000	1,218,000	1,178,000	1,878,000
Uruguay.....	3,226,000	5,359,000	6,000,000	6,671,000	6,500,000
Total.....	198,984,000	78,627,000	143,273,000	185,006,000	183,708,000
EUROPE.					
Austria-Hungary:					
Austria.....	18,177,000	16,599,000	15,170,000	16,102,000	17,388,000
Hungary proper.....	162,925,000	155,619,000	146,124,000	161,858,000	187,733,000
Croatia-Slavonia.....	20,470,000	17,934,000	20,536,000	21,752,000	25,589,000
Bosnia-Herzegovina.....	8,900,000	6,468,000	8,821,000	10,972,000	10,051,000
Total Austria-Hungary.....	210,472,000	196,620,000	190,651,000	210,684,000	240,761,000
Bulgaria.....	27,780,000	14,080,000	20,717,000	20,472,000	28,360,000
France.....	14,581,000	24,027,000	25,974,000	26,075,000	23,399,000
Italy.....	93,007,000	88,513,000	95,953,000	99,289,000	101,722,000
Portugal.....	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000
Roumania.....	130,546,000	57,576,000	78,892,000	70,138,000	103,665,000
Russia:					
Russia proper.....	59,320,000	41,903,000	49,663,000	29,223,000	.....
Poland.....	.....	1,000	.....	.....	.....
Northern Caucasia.....	11,181,000	8,860,000	11,449,000	10,375,000	.....
Total Russia (European).....	70,501,000	50,764,000	61,112,000	39,598,000	77,181,000
Servia.....	27,786,000	17,691,000	21,010,000	27,558,000	27,500,000
Spain.....	18,714,000	25,372,000	20,115,000	26,433,000	24,366,000
Total.....	608,387,000	489,643,000	529,424,000	535,247,000	641,954,000
AFRICA.					
Algeria.....	544,000	402,000	426,000	807,000	552,000
Egypt.....	65,000,000	65,000,000	65,000,000	65,000,000	70,294,000
Union of South Africa.....	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000
Total.....	85,544,000	85,402,000	85,426,000	85,807,000	90,846,000
AUSTRALASIA.					
Australia:					
Queensland.....	2,233,000	3,820,000	3,191,000	2,855,000	2,588,000
New South Wales.....	5,714,000	5,945,000	4,671,000	5,380,000	7,322,000
Victoria.....	661,000	727,000	525,000	671,000	1,195,000
Western Australia.....	1,000	1,000	1,000	2,000	1,000
South Australia.....	.....	.....	.....	.....	7,000
Total.....	8,609,000	10,493,000	8,288,000	8,908,000	11,113,000
New Zealand.....	653,000	419,000	519,000	736,000	750,000
Total Australasia.....	9,262,000	10,912,000	8,807,000	9,644,000	11,863,000
Grand total.....	3,963,647,000	3,420,180,000	3,608,549,000	3,557,152,000	4,024,110,000

Approved:

JAMES WILSON,
Secretary of Agriculture

WASHINGTON, D. C., February 1, 1912.